

OIPE

#2

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/976,718

DATE: 11/01/2001

TIME: 08:01:21

Input Set : A:\ES.txt

Output Set: N:\CRF3\11012001\I976718.raw

SEQUENCE LISTING

4 (1) GENERAL INFORMATION:
6 (i) APPLICANT: Virtanen, Jorma
8 (ii) TITLE OF INVENTION: Spatially Addressable, Cleavable Reflective
9 Signal Elements, Assay Device and Method
11 (iii) NUMBER OF SEQUENCES: 13
13 (iv) CORRESPONDENCE ADDRESS:
14 (A) ADDRESSEE: Oppenheimer Wolff & Donnelly LLP
15 (B) STREET: 2029 Century Park East, Suite 3800
16 (C) CITY: Los Angeles
17 (D) STATE: California
18 (E) COUNTRY: USA
19 (F) ZIP: 90067
21 (v) COMPUTER READABLE FORM:
22 (A) MEDIUM TYPE: Floppy Disk
23 (B) COMPUTER: IBM PC compatible
24 (C) OPERATING SYSTEM: Microsoft Windows 98
25 (D) SOFTWARE: MS Word
27 (vi) CURRENT APPLICATION DATA:
C--> 28 (A) APPLICATION NUMBER: US/09/976,718 OK
C--> 29 (B) FILING DATE: 13-Oct-2001
30 (C) CLASSIFICATION: 435
32 (vii) PRIOR APPLICATION DATA:
33 (A) APPLICATION NUMBER: 09/419,407
34 (B) FILING DATE: October 15, 1999
35 (A) APPLICATION NUMBER: 09/394,137
36 (B) FILING DATE: September 10, 1999
37 (A) APPLICATION NUMBER: 08/888,935
38 (B) FILING DATE: July 7, 1997
39 (A) APPLICATION NUMBER: 60/030,416
40 (B) FILING DATE: November 1, 1996
41 (A) APPLICATION NUMBER: 60/021,367
42 (B) FILING DATE: July 8, 1996
44 (viii) ATTORNEY/AGENT INFORMATION:
45 (A) NAME: Oldenkamp, David J.
46 (B) REGISTRATION NUMBER: 29,421
47 (C) REFERENCE/DOCKET NUMBER: 18950-17-1
49 (ix) TELECOMMUNICATION INFORMATION:
50 (A) TELEPHONE: (310) 788-5000
51 (B) TELEFAX: (310) 788-5100
53 (2) INFORMATION FOR SEQ ID NO: 1:
54 (i) SEQUENCE CHARACTERISTICS:
55 (A) LENGTH: 9
56 (B) TYPE: nucleic acid
57 (C) STRANDEDNESS: single-stranded DNA
58 (D) TOPOLOGY: linear
W--> 60 (ii) MOLECULE TYPE: oligonucleotide

ENTERED

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/976,718

DATE: 11/01/2001

TIME: 08:01:21

Input Set : A:\ES.txt

Output Set: N:\CRF3\11012001\I976718.raw

```

C--> 62      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
63 CGGGTGTGG      9
65 (2) INFORMATION FOR SEQ ID NO: 2:
66      (i) SEQUENCE CHARACTERISTICS:
67          (A) LENGTH: 9
68          (B) TYPE: nucleic acid
69          (C) STRANDEDNESS: single-stranded DNA
70          (D) TOPOLOGY: linear
W--> 72      (ii) MOLECULE TYPE: oligonucleotide
C--> 74      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
76 CGGGTGTGA      9
78 (2) INFORMATION FOR SEQ ID NO: 3:
79      (i) SEQUENCE CHARACTERISTICS:
80          (A) LENGTH: 9
81          (B) TYPE: nucleic acid
82          (C) STRANDEDNESS: single-stranded DNA
83          (D) TOPOLOGY: linear
W--> 85      (ii) MOLECULE TYPE: oligonucleotide
C--> 87      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
89 CGGGTGTGC      9
91 (2) INFORMATION FOR SEQ ID NO: 4:
92      (i) SEQUENCE CHARACTERISTICS:
93          (A) LENGTH: 9
94          (B) TYPE: nucleic acid
95          (C) STRANDEDNESS: single-stranded DNA
96          (D) TOPOLOGY: linear
W--> 98      (ii) MOLECULE TYPE: oligonucleotide
C--> 100      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
102 CGGGTGTGT      9
104 (2) INFORMATION FOR SEQ ID NO: 5:
105      (i) SEQUENCE CHARACTERISTICS:
106          (A) LENGTH: 9
107          (B) TYPE: nucleic acid
108          (C) STRANDEDNESS: single-stranded DNA
109          (D) TOPOLOGY: linear
W--> 111      (ii) MOLECULE TYPE: oligonucleotide
C--> 113      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
115 CGGCCGCGG      9
118 (2) INFORMATION FOR SEQ ID NO: 6:
119      (i) SEQUENCE CHARACTERISTICS:
120          (A) LENGTH: 18
121          (B) TYPE: nucleic acid
122          (C) STRANDEDNESS: single-stranded DNA
123          (D) TOPOLOGY: linear
W--> 125      (ii) MOLECULE TYPE: oligonucleotide
C--> 127      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
129 GCCCACACCG CCGGCGCC      18
131 (2) INFORMATION FOR SEQ ID NO: 7:
132      (i) SEQUENCE CHARACTERISTICS:

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/976,718

DATE: 11/01/2001

TIME: 08:01:21

Input Set : A:\ES.txt

Output Set: N:\CRF3\11012001\I976718.raw

```

133          (A) LENGTH: 18
134          (B) TYPE: nucleic acid
135          (C) STRANDEDNESS: single-stranded DNA
136          (D) TOPOLOGY: linear
W--> 138      (ii) MOLECULE TYPE: oligonucleotide
C--> 140      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
142 GCCCACACTG CCGGCGCC      18
144 (2) INFORMATION FOR SEQ ID NO: 8:
145      (i) SEQUENCE CHARACTERISTICS:
146          (A) LENGTH: 18
147          (B) TYPE: nucleic acid
148          (C) STRANDEDNESS: single-stranded DNA
149          (D) TOPOLOGY: linear
W--> 151      (ii) MOLECULE TYPE: oligonucleotide
C--> 153      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
155 GCCCACACGG CCGGCGCC      18
157 (2) INFORMATION FOR SEQ ID NO: 9:
158      (i) SEQUENCE CHARACTERISTICS:
159          (A) LENGTH: 16
160          (B) TYPE: nucleic acid
161          (C) STRANDEDNESS: single-stranded DNA
162          (D) TOPOLOGY: linear
W--> 164      (ii) MOLECULE TYPE: oligonucleotide
C--> 166      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
168 GCCCACAGCC GCGGCC      16
170 (2) INFORMATION FOR SEQ ID NO: 10:
171      (i) SEQUENCE CHARACTERISTICS:
172          (A) LENGTH: 33
173          (B) TYPE: nucleic acid
174          (C) STRANDEDNESS: single-stranded DNA
175          (D) TOPOLOGY: linear
W--> 177      (ii) MOLECULE TYPE: oligonucleotide
C--> 179      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
181 TGAGACACCA GGAATTAGAT ATCAGTACAA TGT      33
183 (2) INFORMATION FOR SEQ ID NO: 11:
184      (i) SEQUENCE CHARACTERISTICS:
185          (A) LENGTH: 33
186          (B) TYPE: nucleic acid
187          (C) STRANDEDNESS: single-stranded DNA
188          (D) TOPOLOGY: linear
W--> 190      (ii) MOLECULE TYPE: oligonucleotide
C--> 192      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
194 CTAAATCAGA TCCTACATAT AAGTCATCCA TGT      33
196 (2) INFORMATION FOR SEQ ID NO: 12:
197      (i) SEQUENCE CHARACTERISTICS:
198          (A) LENGTH: 15
199          (B) TYPE: nucleic acid
200          (C) STRANDEDNESS: ~single-stranded DNA
201          (D) TOPOLOGY: linear

```

RAW SEQUENCE LISTING

DATE: 11/01/2001

PATENT APPLICATION: US/09/976,718

TIME: 08:01:21

Input Set : A:\ES.txt

Output Set: N:\CRF3\11012001\I976718.raw

W--> 203 (ii) MOLECULE TYPE: oligonucleotide

C--> 205 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:

207 TAGATATCAG TACAA 15

209 (2) INFORMATION FOR SEQ ID NO: 13:

210 (i) SEQUENCE CHARACTERISTICS:

211 (A) LENGTH: 15

212 (B) TYPE: nucleic acid

213 (C) STRANDEDNESS: single-stranded DNA

214 (D) TOPOLOGY: linear

W--> 216 (ii) MOLECULE TYPE: oligonucleotide

C--> 218 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:

220 TATTCAGTAG GTACA 15

mutational error

VERIFICATION SUMMARY

DATE: 11/01/2001

PATENT APPLICATION: US/09/976,718

TIME: 08:01:22

Input Set : A:\ES.txt

Output Set: N:\CRF3\11012001\I976718.raw

L:28 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:29 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:62 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:60 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=1
L:74 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:72 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=2
L:87 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:85 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=3
L:100 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:98 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=4
L:113 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:111 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=5
L:127 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:125 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=6
L:140 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:138 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=7
L:153 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:151 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=8
L:166 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:164 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=9
L:179 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:177 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=10
L:192 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:190 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=11
L:205 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:203 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=12
L:218 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:216 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=13